

Attorney Docket No. 1830.1006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Hiroyoshi HOUYA et al.

Application No.: Group Art Unit: Unassigned

Filed: May 18, 2005 Examiner: Unassigned

For: BIPOLAR, ZERO-GAP TYPE ELECTROLYTIC CELL

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

- 1a.  Form PTO-1449.
- 1b.  Copy(ies) of IDS citation(s), except for U.S. Patents and U.S. Patent Application publications.
- 1c.  English language copy of a communication(s) from a foreign Patent Office or a PCT International Search Report.
- 1d.  English language translation (complete, Abstract or relevant portion(s)) attached to non-English language publications as indicated on the attached Form PTO-1449.
- 1e.  Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of non-English publications.

2.  In accordance with 37 CFR § 1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is

(Check appropriate Items 2a, 2b, 2c and/or 2d)

- 2a.  satisfied for the non-English language publication(s) cited on the enclosed "English language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP § 609, Minimum Requirements for an Information Disclosure Statement, Part A(3): Concise Explanation of Relevance, 8th Ed., Rev. 2)
- 2b.  set forth in the application.

2c.  satisfied for the non-English language publication(s) indicated on the attached PTO-1449 as having an English language translation (complete, Abstract or relevant portion(s)) attached thereto.

2d.  enclosed as Attachment 1(e), hereto.

3. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).

Respectfully submitted,

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Dated: May 18 2005  
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FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NO. 1830.1006	APPLICATION NO. 10/535249
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		FIRST NAMED INVENTOR Hiroyoshi HOUDA et al.			
		FILING DATE May 18, 2005	GROUP ART UNIT Unassigned		

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA	4,444,632	4/1984	deNora			
	AB	4,615,775	10/1986	de Nora et al.			
	AC	4,381,979	5/1983	De Nora et al.			
	AD	5,599,430	2/1997	Pimplott et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO	ABSTRACT
	AE	JP6-70276	9/1994	Japan	X	No
	AF	EP00124125	11/1984	EPO		
	AG	JP57-98682	6/1982	Japan	X	No
	AH	EP0050373	4/1982	EPO		
	AI	JP2876427	1/1999	Japan	X	No
	AJ	JP5-34434	5/1993	Japan	X	Yes
	AK	JP2000-178781	6/2000	Japan	X	Yes
	AL	JP2000-178782	6/2000	Japan	X	Yes
	AM	JP2001-064792	3/2001	Japan	X	Yes
	AN	JP2001-152380	6/2001	Japan	X	Yes
	AO	JP2001-262387	9/2001	Japan	X	Yes
	AP	JP10-053887	2/1998	Japan	X	Yes
	AQ	JP51-43377	4/1976	Japan	X	No
	AR	JP62-096688	5/1987	Japan	X	Yes
	AS	JP61-500669	4/1986	Japan	X	No
	AT	WO85/2419	6/1985	WIPO		

## OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER	DATE CONSIDERED	TRANSLATION YES NO
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

Sheet 2 of 2

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NO. 1830.1006	APPLICATION NO. 10/535249
<b>INFORMATION DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>				FIRST NAMED INVENTOR Hiroyoshi HOUDA et al.	
				FILING DATE May 18, 2005	GROUP ART UNIT Unassigned

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
BA							

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO	ABSTRACT
BB	JP61-019789	1/1986	Japan		X	Yes
BC	JP63-011686	1/1988	Japan		X	Yes
BD	JP59-153376	10/1984	Japan		X	No
BE	JP4-289184	10/1992	Japan		X	Yes
BF	JP8-100286	4/1996	Japan		X	Yes
BG	JP8-109490	4/1996	Japan		X	Yes
BH	WO01/16398	3/2001	WIPO		X	Yes
BI						
BJ						
BK						
BL						

**OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)**

			TRANSLATION YES NO
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<b>EXPLANATIONS OF RELEVANCY OF REFERENCES</b>	ATTORNEY DOCKET NO.	APPLICATION NO.
	1830.1006	10/535249
	FIRST NAMED INVENTOR	
	Hiroyoshi HOUDA et al.	
	FILING DATE	GROUP ART UNIT
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Reference AE corresponds with references AB and AF.

Reference AG corresponds with references AC and AH.

Reference AI corresponds with reference AD.

Reference AS corresponds with reference AT.